

the step of optically recording the mark signal records the mark signal at a position detected prior to the setting signal recorded in the non-used setting area.

5 24. The computer data signal embodied in a carrier wave and representing a sequence of instructions according Claim 22, wherein

the step of optically recording the mark signal repeats the recording of the mark signal at a predetermined interval during the recording of the setting signal.

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25. The computer data signal embodied in a carrier wave and representing a sequence of instructions according Claim 23, wherein

the step of optically recording the mark signal repeats the recording of the mark signal at a predetermined interval during the recording of the setting signal.

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26. The computer data signal embodied in a carrier wave and representing a sequence of instructions according to Claim 24, wherein

the step of checking further comprises the steps of:

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retrieving a predicted position of the setting area on the recording medium where the special detected signal is to be optically detected;

moving an executing device for detecting the setting signal and the special detected signal, from the retrieved predicted position, to a retrieval starting position on the recording medium distant from there at least by a distance corresponding to the predetermined interval; and

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repeating an operation of further moving the executing device again from the special detected signal-detected position on the recording medium to a position on the recording medium distant from there at least by a distance corresponding to the predetermined interval, when the special detected signal is detected while the executing device is moved from the retrieval starting position to the predicted position, and further moving the executing device to the predicted position, from a position of the executing device after the above further moving used as the retrieval starting position, so as to check whether the special detected signal is detected or not, and

the step of retrieving the non-used area regards the setting area adjacent to the setting area where the special detected signal detected last is recorded as the non-used setting area, when none of the special detected signal is detected while the executing device is moved from the retrieval starting position to the predicted position.

27. The computer data signal embodied in a carrier wave and representing a sequence of instructions according to Claim 22, wherein

the recording parameter is intensity of an optical beam for use in the information recording.

28. The computer data signal embodied in a carrier wave and representing a sequence of instructions according to Claim 22, wherein said instructions further comprises the step of executing the information recording by use of the set recording parameter.